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APPLICATION NO	FE ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO	
110/653/262	oo o† 2000	Thomas M. Jessell	62166 JPW FMW	6(193	
~:	590 07 09 2002				
John P White			EXAMINER		
Cooper & Dunham LLP 1185 Avenue of the Americas New York, NY 10036			BAKER, AN	NE MARIE	
			ART UNIT	PAPER NUMBER	
			[632]	16	
			DATE MAILED: 07 09 2002	\mathcal{O}'	

Please find below and or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

Applicant(s)

09/654.462

Anne-Marie Baker

JESSELL ET AL

Examiner

Art Unit 1632

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SH	ORTENED	STATUTORY	PERIOD F	OR REPL	Y IS SE	T TO EX	(PIRE <u>1</u>	MONTH(S)	FROM
THE	MAILING D	ATE OF THIS	COMMUNI	CATION.					

- Extensions of time may be available under the provisions of 37 CFR 1.136ra). In no event, however, may a reply be timely filled after SIX (6) MONTHS from the majura date of this communication.

- If the pe - If NO pi - Failure - Ariy rep	eriod for reply is specified above, the maximum to reply within the set or extended period for rep	30) days, a reply within statutory period will app y will by statute cause	n the statutory minimum of thirty (30) days will be considered timely ply and will expire SIX (6) MONTHS from the mailing date of this communication is the application to become ABANDONED (35 U S C § 133) of this communication leven if timely filed, may reduce any			
Status	parent term adjustment, See 37 SFR 7 754157					
1)	Responsive to communication(s)	iled on				
2a) <u></u> □	This action is FINAL .	2b) This ac	ction is non-final.			
			except for formal matters, prosecution as to the merits is parte Quayle, 1935 C.D. 11, 453 O.G. 213.			
·	Staim(s) <u>1-12</u> is/are pending in the	application				
I.	a) Of the above claim(s) is/		rom consideration			
	Claim(s) is/are allowed.	aro minarami				
:	6) Claim(s) is/are rejected.					
I						
	Claim(s) 1-12 are subject to restric	ion and/or electi	tion requirement			
Applicatio	· · · · · · · · · · · · · · · · · · ·	non ana/or erecti	non requirement.			
9) Th	ne specification is objected to by the	ne Examiner.				
ı			or b) objected to by the Examiner.			
			awing(s) be held in abeyance See 37 CFR 1 85(a)			
11) 🔲 Th	ne proposed drawing correction file	ed on is: a	a) approved b) disapproved by the Examiner			
	If approved, corrected drawings are r	equired in reply to	o this Office action.			
12) 🔲 Tr	ne oath or declaration is objected t	o by the Examin	ner.			
Priority un	der 35 U.S.C. §§ 119 and 120					
13) <u></u> △	cknowledgment is made of a clair	n for foreign prio	ority under 35 U.S.C. § 119(a)-(d) or (f).			
a) 🗀	All b) Some * c) None of:					
1	. Certified copies of the priority	y documents hav	ve been received.			
2	. Certified copies of the priorit	y documents hav	ve been received in Application No			
3 * Se	. Copies of the certified copies application from the Interest the attached detailed Office acti	national Bureau				
14) <u></u> Ac	knowledgment is made of a claim	for domestic prid	iority under 35 U.S.C. § 119(e) (to a provisional application)			
•			onal application has been received. iority under 35 U.S.C. §§ 120 and/or 121.			
Attachment(s	5)					
2) Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (Ition Disclosure Statement(s) (PTO-1449)		4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:			

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DETAILED ACTION

The preliminary amendment filed February 20, 2002 (Paper No. 11) has been entered. Claims 1-12 are pending in the instant application.

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-4, drawn to a method of converting a stem cell into a ventral neuron.
 classified in class 435, subclass 455.
- II. Claims 5-12, drawn to a method of diagnosing a motor neuron degenerative disease, classified in class 435, subclass 4.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are patentably distinct, one from the other, because the inventions are drawn to materially different methods that require different starting materials, different modes of operation, and produce different effects. The method of the invention of Group I requires as starting materials a stem cell and an Nkx6.1-encoding nucleic acid. The method of the invention of Group II requires as starting materials an nucleic acid sample from a subject and materials for sequencing a nucleic acid molecule. The method of the invention of Group I results in producing a ventral neuron, whereas the method of the invention of Group II results in a diagnosis of a subject. Thus, the method of the invention of Group I is patentably distinct from the method of the invention of Group II.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and recognized divergent subject matter and

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because the searches required for the separate inventions are not coextensive, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne-Marie Baker whose telephone number is (703) 306-9155. The examiner can normally be reached Monday through Thursday and alternate Fridays from 10:00 AM to 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah Reynolds, can be reached on (703) 305-4051. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the patent analyst, Dianiece Jacobs, whose telephone number is (703) 305-3388.

Anne-Marie Baker, Ph.D.

Anne-Marie Baker ANNE-MAHIE BAKER PATENT EXAMINER